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                 FSTA enhanced with new thesaurus edition
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                 patents
NEWS 5 AUG 20
                 CA/CAplus enhanced with CAS indexing in pre-1907 records
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                 patent family display formats from INPADOCDB
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         SEP 07
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NEWS 11
         SEP 13
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NEWS 12
         SEP 17
                 CA/CAplus enhanced with printed CA page images from
                 1967-1998
         SEP 17 CAplus coverage extended to include traditional medicine
NEWS 13
                 patents
NEWS 14 SEP 24
                 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches
                 Zentralblatt
NEWS 16 OCT 19
                 BEILSTEIN updated with new compounds
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NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
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NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17
                 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in
                 MEDLINE segment
NEWS 26
         DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27
         DEC 17 CA/CAplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content
                 from USPATOLD
NEWS 29
         JAN 02
                 STN pricing information for 2008 now available
NEWS 30
         JAN 16
                 CAS patent coverage enhanced to include exemplified
                 prophetic substances
NEWS 31
         JAN 28
                 USPATFULL, USPAT2, and USPATOLD enhanced with new
                 custom IPC display formats
NEWS 32
         JAN 28 MARPAT searching enhanced
```

NEWS 33 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication

NEWS 34 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment

NEWS 35 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements

NEWS 36 FEB 08 STN Express, Version 8.3, now available

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AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2008

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=> fil reg COST IN U.S. DOLLARS

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ENTRY SESSION
0.21 0.21

FULL ESTIMATED COST

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=>

Uploading C:\Program Files\Stnexp\Queries\10578991A.str

chain nodes :

7 13 14 16 17 18 20 21 22

ring nodes :

1 2 3 4 5 6 8 9 10 11 12 19

ring/chain nodes :

15

chain bonds :

 $2-16 \quad 5-7 \quad 7-8 \quad 9-18 \quad 10-17 \quad 11-13 \quad 13-14 \quad 13-15 \quad 20-21 \quad 20-22$

ring bonds :

 $1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 8-9 \quad 8-12 \quad 9-10 \quad 10-11 \quad 11-12$

exact/norm bonds :

 $2-16 \quad 5-7 \quad 7-8 \quad 8-9 \quad 8-12 \quad 9-10 \quad 10-11 \quad 11-12 \quad 13-14 \quad 13-15 \quad 20-21 \quad 20-22$

exact bonds :

9-18 10-17 11-13

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:[*1],[*2]

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

19:Atom 20:CLASS 21:CLASS

22:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

Structure attributes must be viewed using STN Express query preparation.

=> s sss 11 sam

SAMPLE SEARCH INITIATED 16:58:22 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -419 TO ITERATE

419 ITERATIONS 2 ANSWERS 100.0% PROCESSED

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 7152 TO 9608 PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

2-Furancarboxamide, 5-[1-ethyl-1-[3-ethyl-4-(2-hydroxy-3,3-INdimethylbutoxy)phenyl]propyl]-N-methoxy-N-methyl-

C26 H39 N O5 MF

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s sss l1 full

FULL SEARCH INITIATED 16:59:15 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 8630 TO ITERATE

100.0% PROCESSED 8630 ITERATIONS 17 ANSWERS

SEARCH TIME: 00.00.01

L3 17 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
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FULL ESTIMATED COST
179.74
179.95

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=> s 13

L4 1 L3

=> d ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2005:493600 CAPLUS Full-text

DOCUMENT NUMBER: 143:26490

TITLE: Preparation of phenyl-furan derivatives as vitamin D

receptor modulators

INVENTOR(S): Gajewski, Robert Peter; Jones, Charles David; Lu,

Jianliang; Ma, Tianwei; Nagpal, Sunil; Yee, Ying Kwong

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

P	PATENT NO.							DATE		APPLICATION NO.								
W(WO 2005051936							WO 2004-US35527										
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,	
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	KΖ,	LC,	
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NΙ,	
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	
		ΤJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW	
	RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	
		AZ,	BY,	KG,	KΖ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IS,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	
		SE,	SI,	SK,	TR,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	
		NE,	SN,	TD,	ΤG													
CZ	CA 2546729				A1 20050609				CA 2004-2546729					20041116				
El	EP 1692123			A1 20060823				EP 2004-810027				20041116						
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	ΙΤ,	LI,	LU,	NL,	SE,	MC,	PT,	
		IE,	SI,	FI,	RO,	CY,	TR,	BG,	CZ,	EE,	HU,	PL,	SK,	IS				
JI	JP 2007512326				T 20070517				JP 2006-541190				20041116					
U:	US 2007105951				A1	A1 20070510 US 2006-578991							20060511					
PRIORI	RIORITY APPLN. INFO.:								US 2003-524015P					P 2	0031	120		
										WO 2	004-	US35	527	1	W 2	0041	116	
OTHER S	` '					CASREACT 143:26490; MARPAT 143:26490												

Title compds. I [R and R1 independently = alkyl, fluoroalkyl, or together R and R1 = (un)substituted-, (un)saturated-3- to 8-membered carbocycle; R2, R3 and R4 independently = H, halo, alkenyl, etc.; L1, L2, L3 and L4 independently = a bond, O, -C=C-, etc.; Y = Me, Et, n-Pr, etc.; Z = -C(O)-NR5R6; R5 and R6 independently = H, alkyl, haloalkyl, etc. with provisions] and their pharmaceutically acceptable salts, are prepared and disclosed as modulators of vitamin D receptor. Thus, e.g., II was prepared by coupling of 3'-[4-hydroxy-3-methylphenyl]-3'-[5-carboxy-2- furanyl]pentane (preparation given) with ocresol and subsequent amidation using dimethylamine. The calcemic activity of I was evaluated in a Caco-2 cell co-transfection assay and it was revealed that compds. of the invention possessed EC50 values in the range of 25 to 758 nM. I as modulator of vitamin D receptor should prove useful in the treatment

of bone disease and psoriasis. Pharmaceutical compns. comprising of ${\tt I}$ are disclosed.

IT 853018-01-6P

RN

RN

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation of phenyl-furan derivs. as vitamin D receptor modulators) 853018-01-6 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[4-(2-hydroxy-3,3-dimethylbutoxy)-3-methylphenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

IT 853018-02-7P 853018-03-8P

RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenyl-furan derivs. as vitamin D receptor modulators) 853018-02-7 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[4-[(2R)-2-hydroxy-3,3-dimethylbutoxy]-3-methylphenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

Absolute stereochemistry.

RN 853018-03-8 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[4-[(2S)-2-hydroxy-3,3-dimethylbutoxy]-3-methylphenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

Absolute stereochemistry.

IT 853018-00-5P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of phenyl-furan derivs. as vitamin D receptor modulators) ${\tt RN} - 853018-00-5 - {\tt CAPLUS}$

CN 2-Furancarboxamide, 5-[1-[4-(3,3-dimethyl-2-oxobutoxy)-3-methylphenyl]-1-ethylpropyl]-N,N-dimethyl- (CA INDEX NAME)

$$Me_2N$$
 C C Et Me C CH_2 C $Bu-t$

IT 853018-04-9P 853018-05-0P 853018-06-1P

853018-08-3P 853018-09-4P 853018-10-7P

853018-11-8P 853018-12-9P 853018-13-0P

853018-14-1P 853018-26-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenyl-furan derivs. as vitamin D receptor modulators) 853018-04-9 CAPLUS

CN 2-Furancarboxamide, 5-[1-[4-(3,3-dimethyl-2-oxobutoxy)-3-(1-methylpropyl)phenyl]-1-ethylpropyl]-N,N-dimethyl- (CA INDEX NAME)

RN 853018-05-0 CAPLUS

RN

CN 2-Furancarboxamide, 5-[1-[4-(3,3-dimethyl-2-oxobutoxy)-3-methylphenyl]-1-ethylpropyl]-N-ethyl- (CA INDEX NAME)

RN 853018-06-1 CAPLUS

CN 2-Furancarboxamide, 5-[1-[4-(3,3-dimethyl-2-oxobutoxy)-3-methylphenyl]-1-ethylpropyl]-N,N-diethyl- (CA INDEX NAME)

RN 853018-08-3 CAPLUS

CN 2-Furancarboxamide, N-ethyl-5-[1-ethyl-1-[4-(2-hydroxy-3,3-dimethylbutoxy)-3-methylphenyl]propyl]-N-methyl- (CA INDEX NAME)

$$\begin{array}{c} \text{Me} & \bigcirc \\ \text{Et} & \text{N} \\ \end{array}$$

RN 853018-09-4 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[3-ethyl-4-(2-hydroxy-3,3-dimethylbutoxy)phenyl]propyl]-N,N-dimethyl-, (+)- (CA INDEX NAME)

Rotation (+).

RN 853018-10-7 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[3-ethyl-4-(2-hydroxy-3,3-dimethylbutoxy)phenyl]propyl]-N,N-dimethyl-, (-)- (CA INDEX NAME)

Rotation (-).

RN

RN 853018-12-9 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[3-ethyl-4-(2-hydroxy-3,3-dimethylbutoxy)phenyl]propyl]-N-methoxy-N-methyl- (CA INDEX NAME)

$$\begin{array}{c} \text{MeO} & \text{O} \\ \text{Me} & \text{N} \\ \end{array} \begin{array}{c} \text{O} \\ \text{Et} \\ \end{array} \begin{array}{c} \text{CH}_2 \\ \text{CH}_2 \\ \text{Et} \\ \end{array} \begin{array}{c} \text{O} \\ \text{CH}_2 \\ \text{Et} \\ \end{array}$$

RN 853018-13-0 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[4-(2-ethyl-2-hydroxybutoxy)-3-methylphenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

RN 853018-14-1 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[4-(2-hydroxy-3,3-dimethylbutoxy)-3-(1-methylethyl)phenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

RN 853018-26-5 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[3-ethyl-4-(2-hydroxy-3,3-dimethylbutoxy)phenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

$$Me_2N = 0$$
Et
$$O = CH_2 = CH = Bu - t$$

IT 853018-17-4P 853018-21-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of phenyl-furan derivs. as vitamin D receptor modulators)

RN 853018-17-4 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-(4-hydroxy-3-methylphenyl)propyl]-N,N-dimethyl- (CA INDEX NAME)

RN 853018-21-0 CAPLUS

CN 2-Furancarboxamide, 5-[1-ethyl-1-[4-hydroxy-3-(1-methylpropyl)phenyl]propyl]-N,N-dimethyl- (CA INDEX NAME)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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